

PHCS Summer Math Work – Geometry



Dear Parents & Students:

Summer is a time to relax, spend time with family, and hopefully explore new places. We want all students to have a fun filled engaging summer. In addition to the fun, we want to help students continue to think and problem solve through the summer. On average students lose approximately 2.6 months of grade-level equivalency in mathematical computation skills during the summer months. This is the reason we are asking all students to participate in the Summer Math Work Challenge. The challenge is broken down into five weeks. While students may complete skills during any week in the summer, we ask that skills are spread out rather than waiting until right before coming back to school. The purpose of the summer work challenge is to prepare students for next year's math course.

Each teacher carefully chose 20 IXL skills to refresh and prepare for the next level of mathematics. All 20 skills should be completed prior to the first day of the 2023-2024 school year. Summer Work is required and will count for an accountability grade first quarter. Not completing the Summer Math Work Challenge may also affect math placement for the 2023-2024 school year. Let's keep our skills sharp. Have a great summer!

	Skill	IXL	Date Completed
Week 1			
1	Solve one-step linear equations	TXJ	
2	Solve two-step linear equations	QAK	
3	Solve advanced linear equations	28N	
4	Solve linear equations with variables on both sides	7S7	
Week 2			
5	Ratios and proportions	8EU	
6	Scale drawings: word problems	M7M	
7	Number sequences	PL9	
8	Shape patterns	JJA	
Week 3			
9	Properties of exponents	LNK	
10	Simplify radical expressions	SC5	
11	Write variable expressions	5RD	
12	Solve systems of linear equations	76G	
Week 4			
13	Lines, line segments, and rays	XFC	
14	Lengths of segments on number lines	JSD	
15	Additive property of length	7RA	
16	Congruent line segments	6W6	
Week 5			
17	Angle vocabulary	9U2	
18	Angle measures	BCQ	
19	Identify complementary, supplementary, vertical, adjacent, and congruent angles	7P7	
20	Find measures of complementary, supplementary, vertical, and adjacent angles	VZU	